## PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416						
117536 USN	- Serominent Enviro						
International application No.	International filing date (day/month	/year) Priority date (day/month/year)					
PCT/SE2003/001918	10-12-2003						
International Patent Classification (IPC) o	r national classification and IPC						
See Supplemental Box							
Applicant	-						
Telefonaktiebolaget L	M Ericsson (publ) e	et al					
	liminary examination report, establis	hed by this International Preliminary Examining to Article 36.					
	of 4 sheets, including						
3. This report is also accompanied by ANNEXES, comprising:							
<u></u>	and to the International Bureau) a to						
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes							
beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
<u></u>							
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))							
form only, as indicate		ce listing and/or tables related thereto, in electronic o Sequence Listing (see Section 802 of the					
Administrative Instruc							
4. This report contains indications rel	ating to the following items:						
Box No. I Basis of	the report						
Box No. II Priority							
Box No. III Non-esta	blishment of opinion with regard to	novelty, inventive step and industrial applicability					
Box No. IV Lack of	unity of invention						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial							
applicability; citations and explanations supporting such statement  Box No. VI Certain documents cited							
Box No. VII Certain defects in the international a		1					
Box No. VIII Certain observations on the international application							
Day of Latin Collection							
Date of submission of the demand	Date of cor	mpletion of this report					
10-05-2005	12.02	13-03-2006					
Name and mailing address of the IPEA/SE		Authorized officer					
Patent - och registreringsverket	Authorized	Onica					
Box 5055 S-102 42 STOCKHOLM	Do Coo	starragon /MN					
Facsimile No. +46 8 667 72 88		Bo Gustavsson/MN Telephone No. +46 8 782 25 00					

Form PCT/IPEA/409 (cover sheet) (April 2005)

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

#### Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Cover sheet

International patent classification (IPC)

**H01P 1/18** (2006.01) **H03H 7/30** (2006.01)

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Bo	x No. I	Basis of the report				
1.	With	gard to the language, this report is based on:				
	$\boxtimes$	he international application in the language in which it was filed				
		a translation of the international application into				
		which is the language of a translation furnished for the purposes of:				
international search (Rules 12.3(a) and 23.1(b))						
		publication of the international application (Rule 12.4(a))				
		international preliminary examination (Rules 55.2(a) and/or 55.3(a))				
2. With regard to the <b>elements</b> of the international application, this report is based on (replacement sheets which he furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "original and are not annexed to this report):						
	the international application as originally filed/furnished					
		the description:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
	$\Box$	pages* received by this Authority on				
	Ш	he claims:				
		pages as originally filed/furnished as amended (together with any statement) under Article 1				
		pages* as amended (together with any statement) under Article I				
		pages* received by this Authority on				
		he drawings:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
		received by this Authority on				
		sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.				
3.		The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
4.		his report has been established as if (some of) the amendments annexed to this report and listed below had not becade, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Ru 0.2(c)).				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
* /	fitem 4	applies, some or all of those sheets may be marked "superseded."				

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Box No. V	Reasoned statement u	inder Article : tions supporti	35(2) with regard to novelty, inventive sing such statement	step or industrial applicability;
1. Statemen	it			
Novelty (N)	Claims	1-5	YES	
		Claims		NO NO
Inver	Inventive step (IS)		1-5	YES
	Claims		NO NO	
Indus	Industrial applicability (IA)	Claims	1-5	YES
		Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: Proceedings of the Second IEEE Asia Pacific Conference on ASICs, 2000, AP-ASIC 2000, pages 349-350

D2: US 6125157 A1 D3: US 6350335 B1 D4: WO 9943036 A1

The cited documents represent the general state of the art. The invention defined in claims 1-5 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed delay-locked loop. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-5 is novel and is considered to involve an inventive step. The invention is industrially applicable.